

# Columbia Gas Transmission

**A NiSource Company**  
1700 MacCorkle Avenue S.E.  
Charleston, WV 25314

November 8, 2010

*Director*  
US EPA Region 3  
1650 Arch Street  
Philadelphia, Pennsylvania 19103-2029

**RE:** 40 CFR 63 Subpart ZZZZ Initial Notification of Applicability

Dear Sir/Madam:

Pursuant to 40 CFR 63.9, enclosed with this letter are Initial Notifications of Applicability of 40 CFR 63 Subpart ZZZZ to named emission units at Columbia Gas Transmission compressor stations. Should you have any questions or need additional information, please contact me at 304-357-2196 ([jmorgan@nisource.com](mailto:jmorgan@nisource.com)).

Sincerely,



Joe Morgan  
ES&S Coordinator

Enclosure

cc:

RECEIVED  
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## Initial Notification Report

**Applicable Rule:** 40 CFR Part 63, Subpart A — National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart A — General Provisions. Initial notification is being made in accordance with §63.9(b).

*Note: Initial notification reports are due not later than 120 calendar days after the effective date of the relevant standard, or within 120 calendar days after the source becomes subject to the relevant standard. Sources may also use the application for approval of construction or reconstruction under §63.5(d) to fulfill the initial notification requirement.*

*If you are a new or reconstructed major source, you must also include information required under 63.5(d) and 63.9(b)(5) - the Application for Approval of Construction or Reconstruction. You may use the Application for Approval of Construction and Reconstruction as your initial notification. (§63.5(d)(1)(ii)).*

### SECTION I GENERAL INFORMATION

A. Print or type the following information for each facility for which you are making initial notification: (§63.9(b)(2)(i)-(ii))

Operating Permit Number (OPTIONAL)		Facility I.D. Number (OPTIONAL)	
R30-NGGP-2007-07700017		077-00017	
Responsible Official's Name/Title			
Frank Gray, Manager of Operations			
Street Address			
1700 MacCorkle Ave., S.E.			
City	State	ZIP Code	
Charleston	WV	25314	
Facility Name (if different from Responsible Official's Name)			
Terra Alta Compressor Station			
Facility Street Address (If different than Responsible Official's Street Address)			
8251 Aurora Pike			
Facility Local Contact Name		Title	Phone (OPTIONAL)
Joe Morgan		EH&S Coordinator	304-357-2196
City	State	ZIP Code	
Terra Alta	West Virginia	26764	

B. Indicate the relevant standard or other requirement that is the basis for this notification and the source's compliance date: (§63.9(b)(2)(iii))

Basis for this notification (relevant standard or other requirement)	Anticipated Compliance Date (mm/dd/yy)
40 CFR 63, Subpart ZZZZ (RICE MACT)	12/31/11

## SECTION II SOURCE DESCRIPTION

A. Briefly describe the nature, size, design, and method of operation of the source.  
(§63.9(b)(2)(iv))

Terra Alta Compressor Station is part of Columbia's natural gas transmission system. The station operates a natural gas compressor that pressurizes incoming gas prior to routing the gas to a downstream pipeline. The station is designed to operate 24 hours per day, 365 days per year.

B. Briefly describe the types of emission points within the affected source and the types of hazardous air pollutants emitted. (§63.9(b)(2)(iv))

### Types of Emission Points

The natural gas compressor at the station is driven by a spark-ignited reciprocating internal combustion engine that is subject to the emission reduction requirements in 40 CFR 63, Subpart ZZZZ, Table 2c. The engine is natural gas-fired, is rated at 174 horsepower each, and is 4-stroke rich-burn design. The engine is a Waukesha Model VSG11GSI.

### Types of HAPs Emitted

The primary HAP emitted by the engine is formaldehyde. Other HAPs include acetaldehyde, acrolein, benzene, toluene, ethyl benzene, and xylene. These compounds are byproducts of natural gas combustion.

C. Check the box that applies: (§63.9(b)(2)(v))

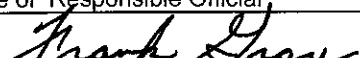
- ☒ My facility is a major source of Hazardous Air Pollutants (HAPs)  
☐ My facility is an area source of HAPs

NOTE: A major source is a facility that emits or has the potential to emit greater than 10 tons per year of any one HAP or 25 tons per year of multiple HAPs. All other sources are area sources.

## SECTION III

**CERTIFICATION** (Note: Certification is Optional – not required under §63.9(b). You may edit the text in this section as deemed appropriate)

Based upon information and belief formed after a reasonable inquiry, I, as a responsible official of the above-mentioned facility, certify the information contained in this report is accurate and true to the best of my knowledge.

Name of Responsible Official (Print or Type)	Title	Date (mm/dd/yy)
Frank Gray	Manager of Operations	10.22.2010
Signature of Responsible Official 		

*Responsible official is defined under §63.2 as any of the following: the president, vice-president, secretary, or treasurer of the company that owns the plant; the owner of the plant; the plant engineer or supervisor; a government official if the plant is owned by the Federal, State, city, or county government; or a ranking military officer if the plant is located on a military installation.*

## Initial Notification Report

Applicable Rule: 40 CFR Part 63, Subpart A — National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart A — General Provisions. Initial notification is being made in accordance with §63.9(b).

*Note: Initial notification reports are due not later than 120 calendar days after the effective date of the relevant standard, or within 120 calendar days after the source becomes subject to the relevant standard. Sources may also use the application for approval of construction or reconstruction under §63.5(d) to fulfill the initial notification requirement.*

*If you are a new or reconstructed major source, you must also include information required under 63.5(d) and 63.9(b)(5) - the Application for Approval of Construction or Reconstruction. You may use the Application for Approval of Construction and Reconstruction as your initial notification. (§63.5(d)(1)(ii)).*

### SECTION I GENERAL INFORMATION

A. Print or type the following information for each facility for which you are making initial notification: (§63.9(b)(2)(i)-(ii))

Operating Permit Number (OPTIONAL)		Facility I.D. Number (OPTIONAL)	
R30-NGGP-2007-10300010		103-00010	
Responsible Official's Name/Title			
Denise Richter, Manager of Operations			
Street Address			
1700 MacCorkle Ave., S.E.			
City	State	ZIP Code	
Charleston	WV	25314	
Facility Name (if different from Responsible Official's Name)			
Smithfield Compressor Station			
Facility Street Address (If different than Responsible Official's Street Address)			
Route 20			
Facility Local Contact Name		Title	Phone (OPTIONAL)
Joe Morgan		EH&S Coordinator	304-357-2196
City	State	ZIP Code	
Smithfield	West Virginia	26437	

B. Indicate the relevant standard or other requirement that is the basis for this notification and the source's compliance date: (§63.9(b)(2)(iii))

Basis for this notification (relevant standard or other requirement)	Anticipated Compliance Date (mm/dd/yy)
40 CFR 63, Subpart ZZZZ (RICE MACT)	12/31/11

## SECTION II SOURCE DESCRIPTION

A. Briefly describe the nature, size, design, and method of operation of the source.  
(§63.9(b)(2)(iv))

Smithfield Compressor Station is part of Columbia's natural gas transmission system. The station operates natural gas compressors that pressurize incoming gas prior to routing the gas to downstream pipelines. The station also operates auxiliary equipment, such as emergency generators. The station is designed to operate 24 hours per day, 365 days per year.

B. Briefly describe the types of emission points within the affected source and the types of hazardous air pollutants emitted. (§63.9(b)(2)(iv))

### Types of Emission Points

Two of the natural gas compressors at the station are driven by spark-ignited reciprocating internal combustion engines (Emission Unit IDs 09801 and 09802) that are subject to the emission reduction requirements in 40 CFR 63, Subpart ZZZZ, Table 2d. These engines are natural gas-fired, are rated at 1500 horsepower each, and are 4-stroke lean-burn design. These engines are Ingersoll Model 412-KVGB.

### Types of HAPs Emitted

The primary HAP emitted by the engines is formaldehyde. Other HAPs include acetaldehyde, acrolein, benzene, toluene, ethyl benzene, and xylene. These compounds are byproducts of natural gas combustion.

C. Check the box that applies: (§63.9(b)(2)(v))

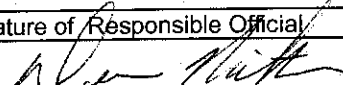
- ☐ My facility is a major source of Hazardous Air Pollutants (HAPs)  
☒ My facility is an area source of HAPs

NOTE: A major source is a facility that emits or has the potential to emit greater than 10 tons per year of any one HAP or 25 tons per year of multiple HAPs. All other sources are area sources.

## SECTION III

**CERTIFICATION** (Note: Certification is Optional – not required under §63.9(b). You may edit the text in this section as deemed appropriate)

Based upon information and belief formed after a reasonable inquiry, I, as a responsible official of the above-mentioned facility, certify the information contained in this report is accurate and true to the best of my knowledge.

Name of Responsible Official (Print or Type)	Title	Date (mm/dd/yy)
Denise Richter	Manager of Operations	11/2/10
Signature of Responsible Official		
		

Responsible official is defined under §63.2 as any of the following: the president, vice-president, secretary, or treasurer of the company that owns the plant; the owner of the plant; the plant engineer or supervisor; a government official if the plant is owned by the Federal, State, city, or county government; or a ranking military officer if the plant is located on a military installation.